



Concentrating Solar Power Prospects of the Southwestern US

2004 Edition

Legend

POWER PLANTS by Summer Capacity (MW)

- 1,000 to 4,800
- 400 to 999
- 100 to 399
- 1 to 99

by Primary Fuel Type

- Coal
- Natural Gas
- Solar
- Uranium
- Water
- Wind
- Other

SOLAR RESOURCE AREAS kWh/m²/day

- 8.00 to 8.25
- 7.75 to 8.00
- 7.50 to 7.75
- 7.25 to 7.50
- 7.00 to 7.25
- 6.75 to 7.00

ELECTRIC TRANSMISSION LINES by Voltage

- 500 to 750
- 345 to 499
- 230 to 344
- 115 to 229
- DC Lines

SUBSTATIONS

- GAS PIPELINES
- INTERSTATE HIGHWAYS
- FEDERAL LANDS
- URBAN AREAS
- LAKES

Logos: NREL, platts, SunLab

The direct normal solar resource measurements shown are derived from 10km Perov data (Mar 2004), with modifications by NREL. Potentially sensitive lands, major urban areas, and water features have been excluded. Areas with resource < 6.75 kWh/m²/day, slope > 1% and minimum contiguous area < 5 square kilometers were also excluded to identify those areas with the greatest potential for development.

0 50 100 200
MILES
Map Scale:
1 inch = 23.5 miles
1 : 1,487,000

